

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN

Vehicle: ETHANOL

Page: 258

Report Date:10/04/2007

Study Summary

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
Male							
Battelle Columbus Laboratory	059700307	07/10/02	728	50 (1)	25(680)	510.4	1,2-Dibromo-2,4-dicyanobutane
Southern Research Institute	059302007	04/24/00	729	50 (1)	20(670)	484.2	Diisopropylcarbodiimide
Female							
Battelle Columbus Laboratory	059700307	07/11/02	729	50 (1)	29(695)	337.8	1,2-Dibromo-2,4-dicyanobutane
Southern Research Institute	059302007	04/24/00	731	50 (1)	30(672)	319.5	Diisopropylcarbodiimide

NOTE: The text on page 2 ("Report Description") describes how the studies listed here are displayed on the data pages that follow.

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Page: 259
Report Date:10/04/2007

Male						Female					
#All Organs: Benign Tumors											
Overall Incidence	Total	46/50	(92%)	47/50	(94%)	SD	1.41%	46/50	(92%)	44/50	(88%)
		93/100	(93%)	Mean	93%			90/100	(90%)	Mean	90%
.....											
#All Organs: Malignant Tumors											
Overall Incidence	Total	23/50	(46%)	34/50	(68%)	SD	15.56%	15/50	(30%)	22/50	(44%)
		57/100	(57%)	Mean	57%			37/100	(37%)	Mean	37%
.....											
#All Organs: Malignant and Benign Tumors											
Overall Incidence	Total	50/50	(100%)	50/50	(100%)	SD	0%	48/50	(96%)	48/50	(96%)
		100/100	(100%)	Mean	100%			96/100	(96%)	Mean	96%
.....											
#All Organs: Hemangioma											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD	0%	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean	0%			0/100	(0%)	Mean	0%
.....											
#All Organs: Hemangiosarcoma											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD	0%	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean	0%			0/100	(0%)	Mean	0%
.....											
#All Organs: Hemangiosarcoma or Hemangioma											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD	0%	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean	0%			0/100	(0%)	Mean	0%
.....											

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female						
#All Organs: Histiocytic Sarcoma												
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#All Organs: Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated												
Overall Incidence	Total	17/50 30/100	(34%) (30%)	13/50 Mean	(26%) 30%	SD 5.66%	Total	10/50 19/100	(20%) (19%)	9/50 Mean	(18%) 19%	SD 1.41%
.....												
#All Organs: Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type												
Overall Incidence	Total	0/50 2/100	(0%) (2%)	2/50 Mean	(4%) 2%	SD 2.83%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#All Organs: Mesothelioma: Benign												
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#All Organs: Mesothelioma: Benign, Malignant, NOS												
Overall Incidence	Total	1/50 2/100	(2%) (2%)	1/50 Mean	(2%) 2%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#All Organs: Mesothelioma: Malignant												
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female						
#All Organs: Osteoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#All Organs: Osteosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#All Organs: Osteosarcoma or Osteoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
*Adrenal Cortex: Adenoma												
Overall Incidence	Total	3/50 3/100	(6%) (3%)	0/50 Mean	(0%) 3%	SD 4.24%	Total	0/50 3/100	(0%) (3%)	3/50 Mean	(6%) 3%	SD 4.24%
.....												
*Adrenal Cortex: Carcinoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
*Adrenal Medulla: Ganglioneuroma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/99	(0%) (0%)	0/49 Mean	(0%) 0%	SD 0%
.....												

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Page: 262
Report Date:10/04/2007

Male						Female						
*Adrenal Medulla: Hemangioma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/99	(0%) (0%)	0/49 Mean	(0%) 0%	SD 0%
.....												
*Adrenal Medulla: Pheochromocytoma Benign												
Overall Incidence	Total	5/50 8/100	(10%) (8%)	3/50 Mean	(6%) 8%	SD 2.83%	Total	1/50 1/99	(2%) (1.01%)	0/49 Mean	(0%) 1%	SD 1.41%
.....												
*Adrenal Medulla: Pheochromocytoma Complex												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/99	(0%) (0%)	0/49 Mean	(0%) 0%	SD 0%
.....												
*Adrenal Medulla: Pheochromocytoma Malignant												
Overall Incidence	Total	0/50 4/100	(0%) (4%)	4/50 Mean	(8%) 4%	SD 5.66%	Total	0/50 0/99	(0%) (0%)	0/49 Mean	(0%) 0%	SD 0%
.....												
*Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS												
Overall Incidence	Total	5/50 11/100	(10%) (11%)	6/50 Mean	(12%) 11%	SD 1.41%	Total	1/50 1/99	(2%) (1.01%)	0/49 Mean	(0%) 1%	SD 1.41%
.....												
#Blood Vessel: Osteosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female						
#Bone: Chondrosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Bone: Chondrosarcoma or Chondroma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Bone: Chordoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Bone: Osteoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Bone: Osteosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Bone: Osteosarcoma or Osteoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female						
*Brain: Astrocytoma Malignant												
Overall Incidence	Total	1/50	(2%)	1/50	(2%)	SD 0%	Total	0/50	(0%)	0/50	(0%)	SD 0%
		2/100	(2%)	Mean 2%				0/100	(0%)	Mean 0%		
.....												
*Brain: Ependymoma Benign												
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)	SD 0%
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%		
.....												
*Brain: Glioma Malignant												
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)	SD 0%
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%		
.....												
*Brain: Granular Cell Tumor Benign												
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)	SD 0%
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%		
.....												
*Brain: Medulloblastoma Mal												
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)	SD 0%
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%		
.....												
*Brain: Meningioma Malignant												
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)	SD 0%
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%		
.....												

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female					
*Brain: Meningioma: Benign, Malignant, NOS											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%	0/100			(0%)	Mean 0%	SD 0%	
.....											
*Brain: Oligodendroglioma Benign											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%	0/100			(0%)	Mean 0%	SD 0%	
.....											
*Brain: Oligodendroglioma Malignant											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%	0/100			(0%)	Mean 0%	SD 0%	
.....											
*Brain: Oligodendroglioma, Glioma, or Astrocytoma											
Overall Incidence	Total	1/50	(2%)	1/50	(2%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		2/100	(2%)	Mean 2%	0/100			(0%)	Mean 0%	SD 0%	
.....											
*Clitoral/Preputial Gland: Adenoma											
Overall Incidence	Total	2/50	(4%)	1/50	(2%)	SD 1.41%	Total	6/50	(12%)	2/50	(4%)
		3/100	(3%)	Mean 3%	8/100			(8%)	Mean 8%	SD 5.66%	
.....											
*Clitoral/Preputial Gland: Carcinoma											
Overall Incidence	Total	0/50	(0%)	1/50	(2%)	SD 1.41%	Total	0/50	(0%)	2/50	(4%)
		1/100	(1%)	Mean 1%	2/100			(2%)	Mean 2%	SD 2.83%	
.....											

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female								
*Clitoral/Preputial Gland: Carcinoma or Adenoma														
Overall Incidence	Total	2/50 4/100	(4%) (4%)	2/50 Mean	(4%) 4%	SD	0%	Total	6/50 10/100	(12%) (10%)	4/50 Mean	(8%) 10%	SD	2.83%
.....														
*Clitoral/Preputial Gland: Fibrosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
*Clitoral/Preputial Gland: Squamous Cell Papilloma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Ear: Neural Crest Tumor														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Esophagus: Fibrosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Eye: Amelanotic Melanoma, Benign														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD	1.41%
.....														

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female						
#Eye: Melanoma Benign												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Eye: Schwannoma Malignant												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Harderian Gland: Adenoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Harderian Gland: Carcinoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Harderian Gland: Carcinoma or Adenoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
*Heart: Schwannoma Benign												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Page: 268
Report Date:10/04/2007

Male						Female					
*Heart: Schwannoma Malignant											
Overall Incidence	Total	0/50	(0%)	1/50	(2%)	SD 1.41%	Total	0/50	(0%)	1/50	(2%)
		1/100	(1%)	Mean 1%				1/100	(1%)	Mean 1%	SD 1.41%
.....											
#Intestine Large: Colon/Rectum: Adenoma											
Overall Incidence	Total	0/50	(0%)	1/50	(2%)	SD 1.41%	Total	1/50	(2%)	0/50	(0%)
		1/100	(1%)	Mean 1%				1/100	(1%)	Mean 1%	SD 1.41%
.....											
#Intestine Large: Colon/Rectum: Carcinoma											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%	SD 0%
.....											
#Intestine Large: Colon/Rectum: Carcinoma or Adenoma											
Overall Incidence	Total	0/50	(0%)	1/50	(2%)	SD 1.41%	Total	1/50	(2%)	0/50	(0%)
		1/100	(1%)	Mean 1%				1/100	(1%)	Mean 1%	SD 1.41%
.....											
#Intestine Large: Colon/Rectum: Leiomyosarcoma											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%	SD 0%
.....											
#Intestine Small: Duodenum: Carcinoma											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%	SD 0%
.....											

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female						
#Intestine Small: Duodenum: Leiomyoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Intestine Small: Jejunum: Leiomyoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Intestine Small: Jejunum: Leiomyosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Intestine Small: Site Unspecified: Carcinoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Intestine Small: Site Unspecified: Carcinoma or Adenoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Intestine Small: Site Unspecified: Leiomyoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female						
#Intestine Small: Site Unspecified: Leiomyosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
*Islets, Pancreatic: Adenoma												
Overall Incidence	Total	6/50 11/100	(12%) (11%)	5/50 Mean	(10%) 11%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
*Islets, Pancreatic: Carcinoma												
Overall Incidence	Total	0/50 2/100	(0%) (2%)	2/50 Mean	(4%) 2%	SD 2.83%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
*Islets, Pancreatic: Carcinoma or Adenoma												
Overall Incidence	Total	6/50 13/100	(12%) (13%)	7/50 Mean	(14%) 13%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
*Kidney: Pelvis and Transitional Epithelium: Carcinoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female						
*Kidney: Pelvis and Transitional Epithelium: Papilloma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
*Kidney: Renal Tubule: Adenoma												
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
*Kidney: Renal Tubule: Carcinoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
*Kidney: Renal Tubule: Carcinoma or Adenoma												
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
*Kidney: Renal Tubule: Hemangiosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
*Kidney: Renal Tubule: Lipoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male							Female						
*Kidney: Renal Tubule: Liposarcoma													
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	
.....													
*Kidney: Renal Tubule: Mesenchymal Tumor Benign													
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	
.....													
*Kidney: Renal Tubule: Nephroblastoma													
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	
.....													
*Kidney: Renal Tubule: Sarcoma													
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	
.....													
*Liver: Cholangiocarcinoma													
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	
.....													
*Liver: Cholangioma													
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	
.....													

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Page: 273
Report Date:10/04/2007

Male							Female						
*Liver: Hemangiosarcoma													
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	
.....													
*Liver: Hepatocellular Adenoma													
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 6/100	(0%) (6%)	6/50 Mean	(12%) 6%	SD 8.49%	
.....													
*Liver: Hepatocellular Carcinoma													
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	
.....													
*Liver: Hepatocellular Carcinoma or Hepatoblastoma													
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	
.....													
*Liver: Hepatocellular Carcinoma or Hepatocellular Adenoma													
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%	Total	0/50 6/100	(0%) (6%)	6/50 Mean	(12%) 6%	SD 8.49%	
.....													
*Liver: Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma													
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%	Total	0/50 6/100	(0%) (6%)	6/50 Mean	(12%) 6%	SD 8.49%	
.....													

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female								
*Lung: Alveolar/Bronchiolar Adenoma														
Overall Incidence	Total	1/50	(2%)	1/50	(2%)	SD	0%	Total	4/50	(8%)	0/50	(0%)	SD	5.66%
		2/100	(2%)	Mean	2%				4/100	(4%)	Mean	4%		
.....														
*Lung: Alveolar/Bronchiolar Carcinoma														
Overall Incidence	Total	1/50	(2%)	0/50	(0%)	SD	1.41%	Total	1/50	(2%)	0/50	(0%)	SD	1.41%
		1/100	(1%)	Mean	1%				1/100	(1%)	Mean	1%		
.....														
*Lung: Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma														
Overall Incidence	Total	2/50	(4%)	1/50	(2%)	SD	1.41%	Total	4/50	(8%)	0/50	(0%)	SD	5.66%
		3/100	(3%)	Mean	3%				4/100	(4%)	Mean	4%		
.....														
*Lung: Hemangiosarcoma														
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD	0%	Total	0/50	(0%)	0/50	(0%)	SD	0%
		0/100	(0%)	Mean	0%				0/100	(0%)	Mean	0%		
.....														
*Lung: Sarcoma														
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD	0%	Total	0/50	(0%)	0/50	(0%)	SD	0%
		0/100	(0%)	Mean	0%				0/100	(0%)	Mean	0%		
.....														
*Lung: Squamous Cell Carcinoma														
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD	0%	Total	0/50	(0%)	0/50	(0%)	SD	0%
		0/100	(0%)	Mean	0%				0/100	(0%)	Mean	0%		
.....														

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female						
#Lymph Node, Mesenteric: Sarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Mammary Gland: Adenoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%
.....												
#Mammary Gland: Carcinoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	2/50 6/100	(4%) (6%)	4/50 Mean	(8%) 6%	SD 2.83%
.....												
#Mammary Gland: Carcinoma or Adenoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	3/50 7/100	(6%) (7%)	4/50 Mean	(8%) 7%	SD 1.41%
.....												
#Mammary Gland: Fibroadenoma												
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%	Total	14/50 26/100	(28%) (26%)	12/50 Mean	(24%) 26%	SD 2.83%
.....												
#Mammary Gland: Fibroma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female					
#Mammary Gland: Fibroma, Fibroadenoma or Adenoma											
Overall Incidence	Total	1/50	(2%)	0/50	(0%)	SD 1.41%	Total	15/50	(30%)	12/50	(24%)
		1/100	(1%)	Mean 1%	27/100			(27%)	Mean 27%	SD 4.24%	
.....											
#Mammary Gland: Fibroma, Fibroadenoma, Carcinoma, or Adenoma											
Overall Incidence	Total	1/50	(2%)	0/50	(0%)	SD 1.41%	Total	17/50	(34%)	14/50	(28%)
		1/100	(1%)	Mean 1%	31/100			(31%)	Mean 31%	SD 4.24%	
.....											
#Mesentery: Fibrosarcoma											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%	0/100			(0%)	Mean 0%	SD 0%	
.....											
#Mesentery: Hemangiosarcoma											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%	0/100			(0%)	Mean 0%	SD 0%	
.....											
#Mesentery: Osteosarcoma											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%	0/100			(0%)	Mean 0%	SD 0%	
.....											
#Mesentery: Rhabdomyosarcoma											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%	0/100			(0%)	Mean 0%	SD 0%	
.....											

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female								
*Nose: Adenoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
*Nose: Chondroma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
*Nose: Sarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
*Nose: Squamous Cell Carcinoma														
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD	1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Papilloma Squamous or Papilloma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 2/100	(0%) (2%)	2/50 Mean	(4%) 2%	SD	2.83%
.....														
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD	1.41%
.....														

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female						
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 3/100	(0%) (3%)	3/50 Mean	(6%) 3%	SD 4.24%
.....												
#Oral Mucosa: Squamous Cell Carcinoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD 1.41%
.....												
#Oral Mucosa: Squamous Cell Papilloma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
*Ovary: Granulosa Cell Tumor Benign												
Overall Incidence							Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
*Ovary: Granulosa Cell Tumor Malignant												
Overall Incidence							Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
*Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS												
Overall Incidence							Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female					
*Ovary: Granulosa-Theca Tumor Benign											
Overall Incidence						Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....											
*Pancreas: Adenoma											
Overall Incidence						Total	0/50 3/100	(0%) (3%)	3/50 Mean	(6%) 3%	SD 4.24%
						Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....											
*Pancreas: Carcinoma											
Overall Incidence						Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....											
*Pancreas: Carcinoma or Adenoma											
Overall Incidence						Total	0/50 3/100	(0%) (3%)	3/50 Mean	(6%) 3%	SD 4.24%
						Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....											
*Pancreas: Mixed Tumor Benign											
Overall Incidence						Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....											
*Parathyroid Gland: Adenoma											
Overall Incidence						Total	0/49 0/98	(0%) (0%)	0/49 Mean	(0%) 0%	SD 0%
						Total	0/46 0/91	(0%) (0%)	0/45 Mean	(0%) 0%	SD 0%
.....											

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male							Female							
#Peripheral Nerve: Schwannoma Malignant														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Peripheral Nerve: Schwannoma: Benign, Malignant, NOS														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
*Pituitary Gland: Pars Distalis or Unspecified Site: Adenoma														
Overall Incidence	Total	32/50 61/100	(64%) (61%)	29/50 Mean	(58%) 61%	SD	4.24%	Total	35/50 68/100	(70%) (68%)	33/50 Mean	(66%) 68%	SD	2.83%
.....														
*Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma														
Overall Incidence	Total	0/50 5/100	(0%) (5%)	5/50 Mean	(10%) 5%	SD	7.07%	Total	0/50 3/100	(0%) (3%)	3/50 Mean	(6%) 3%	SD	4.24%
.....														
*Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma or Adenoma														
Overall Incidence	Total	32/50 66/100	(64%) (66%)	34/50 Mean	(68%) 66%	SD	2.83%	Total	35/50 71/100	(70%) (71%)	36/50 Mean	(72%) 71%	SD	1.41%
.....														
*Pituitary Gland: Pars Intermedia: Adenoma														
Overall Incidence	Total	0/50 2/100	(0%) (2%)	2/50 Mean	(4%) 2%	SD	2.83%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female					
*Pituitary Gland: Pars Intermedia: Carcinoma											
Overall Incidence	Total	0/50	(0%)	1/50	(2%)	SD 1.41%	Total	0/50	(0%)	0/50	(0%)
		1/100	(1%)	Mean 1%				0/100	(0%)	Mean 0%	SD 0%
.....											
*Pituitary Gland: Pars Intermedia: Carcinoma or Adenoma											
Overall Incidence	Total	0/50	(0%)	3/50	(6%)	SD 4.24%	Total	0/50	(0%)	0/50	(0%)
		3/100	(3%)	Mean 3%				0/100	(0%)	Mean 0%	SD 0%
.....											
*Prostate: Adenoma											
Overall Incidence	Total	0/50	(0%)	1/50	(2%)	SD 1.41%					
		1/100	(1%)	Mean 1%							
.....											
*Prostate: Carcinoma or Adenoma											
Overall Incidence	Total	0/50	(0%)	1/50	(2%)	SD 1.41%					
		1/100	(1%)	Mean 1%							
.....											
*Salivary Glands: Sarcoma											
Overall Incidence	Total	0/50	(0%)	1/49	(2%)	SD 1.44%	Total	0/50	(0%)	0/50	(0%)
		1/99	(1.01%)	Mean 1.02%				0/100	(0%)	Mean 0%	SD 0%
.....											
*Salivary Glands: Schwannoma Malignant											
Overall Incidence	Total	0/50	(0%)	0/49	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/99	(0%)	Mean 0%				0/100	(0%)	Mean 0%	SD 0%
.....											

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female						
#Skeletal Muscle: Fibrosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Skeletal Muscle: Hemangioma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Skeletal Muscle: Hemangiosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Skeletal Muscle: Lipoma												
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Skeletal Muscle: Rhabdomyosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%
.....												
#Skeletal Muscle: Rhabdomyosarcoma or Rhabdomyoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%
.....												

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female					
#Skeletal Muscle: Sarcoma											
Overall Incidence	Total	0/50	(0%)	1/50	(2%)	SD 1.41%	Total	0/50	(0%)	0/50	(0%)
		1/100	(1%)	Mean 1%				0/100	(0%)	Mean 0%	SD 0%
.....											
#Skin: Basal Cell Adenoma											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%	SD 0%
.....											
#Skin: Basal Cell Adenoma or Basosquamous Tumor Benign											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%	SD 0%
.....											
#Skin: Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%	SD 0%
.....											
#Skin: Basal Cell Carcinoma											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%	SD 0%
.....											
#Skin: Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%	SD 0%
.....											

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007

Contract/Lab: All Laboratories

Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: SKIN

Vehicle: ETHANOL

Page: 284

Report Date:10/04/2007

Male						Female								
#Skin: Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Skin: Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma														
		2/50	(4%)	4/50	(8%)			1/50	(2%)	1/50	(2%)			
Overall Incidence	Total	6/100	(6%)	Mean	6%	SD	2.83%	Total	2/100	(2%)	Mean	2%	SD	0%
.....														
#Skin: Fibroma														
		7/50	(14%)	5/50	(10%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	12/100	(12%)	Mean	12%	SD	2.83%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Skin: Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma														
		8/50	(16%)	5/50	(10%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	13/100	(13%)	Mean	13%	SD	4.24%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Skin: Fibrosarcoma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Skin: Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma														
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Page: 285
Report Date:10/04/2007

Male						Female						
#Skin: Fibrous Histiocytoma												
Overall Incidence	Total	1/50	(2%)	0/50	(0%)	SD 1.41%	Total	0/50	(0%)	0/50	(0%)	SD 0%
		1/100	(1%)	Mean 1%	0/100			(0%)	Mean 0%			
.....												
#Skin: Hemangioma												
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)	SD 0%
		0/100	(0%)	Mean 0%	0/100			(0%)	Mean 0%			
.....												
#Skin: Hemangiosarcoma												
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)	SD 0%
		0/100	(0%)	Mean 0%	0/100			(0%)	Mean 0%			
.....												
#Skin: Keratoacanthoma												
Overall Incidence	Total	2/50	(4%)	3/50	(6%)	SD 1.41%	Total	0/50	(0%)	1/50	(2%)	SD 1.41%
		5/100	(5%)	Mean 5%	1/100			(1%)	Mean 1%			
.....												
#Skin: Lipoma												
Overall Incidence	Total	1/50	(2%)	0/50	(0%)	SD 1.41%	Total	0/50	(0%)	0/50	(0%)	SD 0%
		1/100	(1%)	Mean 1%	0/100			(0%)	Mean 0%			
.....												
#Skin: Liposarcoma												
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)	SD 0%
		0/100	(0%)	Mean 0%	0/100			(0%)	Mean 0%			
.....												

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male										Female					
#Skin: Neural Crest Tumor															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
.....															
#Skin: Neurofibroma or Schwannoma benign															
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	0/100	(0%)	Mean	0%	SD	0%	
.....															
#Skin: Neurofibrosarcoma or Schwannoma (malignant or NOS)															
		1/50	(2%)	2/50	(4%)			0/50	(0%)	2/50	(4%)				
Overall Incidence	Total	3/100	(3%)	Mean	3%	SD	1.41%	Total	2/100	(2%)	Mean	2%	SD	2.83%	
.....															
#Skin: Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)															
		2/50	(4%)	2/50	(4%)			0/50	(0%)	2/50	(4%)				
Overall Incidence	Total	4/100	(4%)	Mean	4%	SD	0%	Total	2/100	(2%)	Mean	2%	SD	2.83%	
.....															
#Skin: Osteosarcoma															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
.....															
#Skin: Sarcoma															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
.....															

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female						
#Skin: Schwannoma Benign												
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Skin: Schwannoma Malignant												
Overall Incidence	Total	1/50 3/100	(2%) (3%)	2/50 Mean	(4%) 3%	SD 1.41%	Total	0/50 2/100	(0%) (2%)	2/50 Mean	(4%) 2%	SD 2.83%
.....												
#Skin: Squamous Cell Carcinoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%
.....												
#Skin: Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%
.....												
#Skin: Squamous Cell Papilloma												
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Skin: Squamous Cell Papilloma or Papilloma												
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female						
#Skin: Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma												
Overall Incidence	Total	2/50 6/100	(4%) (6%)	4/50 Mean	(8%) 6%	SD 2.83%	Total	1/50 2/100	(2%) (2%)	1/50 Mean	(2%) 2%	SD 0%
.....												
#Skin: Squamous Cell Papilloma, Papilloma, or Keratoacanthoma												
Overall Incidence	Total	2/50 6/100	(4%) (6%)	4/50 Mean	(8%) 6%	SD 2.83%	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD 1.41%
.....												
#Skin: Trichoepithelioma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Skin: Sebaceous Gland: Adenoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Skin: Sebaceous Gland: Carcinoma												
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Skin: Sebaceous Gland: Carcinoma or Adenoma												
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female								
#Spinal Cord: Astrocytoma Benign														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
*Spleen: Fibrosarcoma														
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD	1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
*Spleen: Hemangioma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
*Spleen: Hemangiosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
*Spleen: Leiomyosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
#Stomach, Forestomach: Leiomyosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female								
#Stomach, Forestomach: Schwannoma Malignant														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Stomach, Forestomach: Squamous Cell Carcinoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Stomach, Forestomach: Squamous Cell Carcinoma or Papilloma Squamous														
Overall Incidence	Total	1/50 2/100	(2%) (2%)	1/50 Mean	(2%) 2%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Stomach, Forestomach: Squamous Cell Papilloma														
Overall Incidence	Total	1/50 2/100	(2%) (2%)	1/50 Mean	(2%) 2%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Stomach, Glandular: Leiomyosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Stomach, Glandular: Lipoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male					Female				
*Testes: Adenoma									
Overall Incidence	Total	37/50 73/100	(74%) (73%)	36/50 Mean 73%	(72%)	SD 1.41%			
.....									
*Thymus: Sarcoma									
Overall Incidence	Total	0/49 0/98	(0%) (0%)	0/49 Mean 0%	(0%)	SD 0%	Total	0/45 0/95	(0%) (0%)
								Mean 0%	SD 0%
.....									
*Thymus: Thymoma Benign									
Overall Incidence	Total	0/49 0/98	(0%) (0%)	0/49 Mean 0%	(0%)	SD 0%	Total	0/45 0/95	(0%) (0%)
								Mean 0%	SD 0%
.....									
*Thymus: Thymoma Malignant									
Overall Incidence	Total	0/49 0/98	(0%) (0%)	0/49 Mean 0%	(0%)	SD 0%	Total	0/45 0/95	(0%) (0%)
								Mean 0%	SD 0%
.....									
*Thymus: Thymoma: Benign, Malignant, NOS									
Overall Incidence	Total	0/49 0/98	(0%) (0%)	0/49 Mean 0%	(0%)	SD 0%	Total	0/45 0/95	(0%) (0%)
								Mean 0%	SD 0%
.....									
*Thyroid Gland: C-Cell: Adenoma									
Overall Incidence	Total	10/50 15/100	(20%) (15%)	5/50 Mean 15%	(10%)	SD 7.07%	Total	8/50 11/100	(16%) (11%)
								Mean 11%	SD 7.07%
.....									

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female					
*Thyroid Gland: C-Cell: Carcinoma											
Overall Incidence	Total	2/50	(4%)	5/50	(10%)	SD 4.24%	Total	0/50	(0%)	2/50	(4%)
		7/100	(7%)	Mean 7%				2/100	(2%)	Mean 2%	SD 2.83%
.....											
*Thyroid Gland: C-Cell: Carcinoma or Adenoma											
Overall Incidence	Total	12/50	(24%)	10/50	(20%)	SD 2.83%	Total	8/50	(16%)	5/50	(10%)
		22/100	(22%)	Mean 22%				13/100	(13%)	Mean 13%	SD 4.24%
.....											
*Thyroid Gland: Follicular Cell: Adenoma											
Overall Incidence	Total	0/50	(0%)	1/50	(2%)	SD 1.41%	Total	0/50	(0%)	0/50	(0%)
		1/100	(1%)	Mean 1%				0/100	(0%)	Mean 0%	SD 0%
.....											
*Thyroid Gland: Follicular Cell: Carcinoma											
Overall Incidence	Total	1/50	(2%)	0/50	(0%)	SD 1.41%	Total	0/50	(0%)	1/50	(2%)
		1/100	(1%)	Mean 1%				1/100	(1%)	Mean 1%	SD 1.41%
.....											
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma											
Overall Incidence	Total	1/50	(2%)	1/50	(2%)	SD 0%	Total	0/50	(0%)	1/50	(2%)
		2/100	(2%)	Mean 2%				1/100	(1%)	Mean 1%	SD 1.41%
.....											
#Tissue NOS: Fibrosarcoma											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%	SD 0%
.....											

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female						
#Tissue NOS: Leiomyoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Tissue NOS: Lipoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Tissue NOS: Paraganglioma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Tissue NOS: Sarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Tissue NOS: Schwannoma Malignant												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Tongue: Liposarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male										Female					
#Tongue: Squamous Cell Carcinoma or Papilloma Squamous															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	2/50	(4%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	2/100	(2%)	Mean	2%	SD	2.83%	
.....															
#Tongue: Squamous Cell Papilloma															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	2/50	(4%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	2/100	(2%)	Mean	2%	SD	2.83%	
.....															
#Tooth: Odontoma															
		0/50	(0%)	0/50	(0%)			1/50	(2%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	1/100	(1%)	Mean	1%	SD	1.41%	
.....															
*Urinary Bladder: Carcinoma															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
.....															
*Urinary Bladder: Carcinoma or Papilloma															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
.....															
*Urinary Bladder: Leiomyosarcoma															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
.....															

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male							Female						
*Urinary Bladder: Papilloma													
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	
.....													
#Uterus: Adenoma													
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%							
.....													
#Uterus: Carcinoma													
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%							
.....													
#Uterus: Deciduoma Benign													
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%							
.....													
#Uterus: Hemangioma													
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%							
.....													
#Uterus: Hemangiosarcoma													
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%							
.....													

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male			Female		
#Uterus: Leiomyoma					
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean 1%	(2%) SD 1.41%
.....					
#Uterus: Polyp Stromal					
Overall Incidence	Total	2/50 12/100	(4%) (12%)	10/50 Mean 12%	(20%) SD 11.31%
.....					
#Uterus: Sarcoma Stromal					
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean 1%	(0%) SD 1.41%
.....					
#Uterus: Sarcoma Stromal or Polyp Stromal					
Overall Incidence	Total	3/50 13/100	(6%) (13%)	10/50 Mean 13%	(20%) SD 9.9%
.....					
#Uterus: Schwannoma Malignant					
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) SD 0%
.....					
#Vagina: Polyp					
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) SD 0%
.....					

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied

Version: Oct2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: SKIN
Vehicle: ETHANOL

Male						Female					
#Vagina: Sarcoma											
Overall Incidence						Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....											
#Zymbal's Gland: Adenoma											
Overall Incidence						Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....											
#Zymbal's Gland: Carcinoma											
Overall Incidence						Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....											
#Zymbal's Gland: Carcinoma or Adenoma											
Overall Incidence						Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....											

*: Denominator is number of animals with tissues examined microscopically
#: Denominator is number of animals necropsied